

http://www.cs.sandia.gov/sisyphus "the cure for logorrhea"

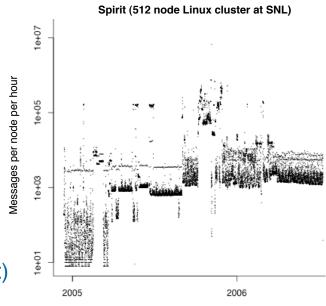
Sandia National Laboratories

Jon Stearley <jrstear@sandia.gov>



Event logs are:

- **Ubiquitous** (nearly all types of computing systems generate them)
- Informational (nearly always the first place to look for problems)
- Voluminous (infeasible to read all of them)
- Noisy (many messages are completely useless)
- Non-stationary (characteristics change with time)
- Ambiguous (meaning often depends on operational context)



Sandia National Laboratories

Jon Stearley <jrstear@sandia.gov>



Interrogating (grep) **or monitoring** (logsurfer) **with regular expressions**:

- · Is common
- Can be easy (or NOT)
- Can be effective (or NOT)

Many hard questions cannot be easily answered with grep!

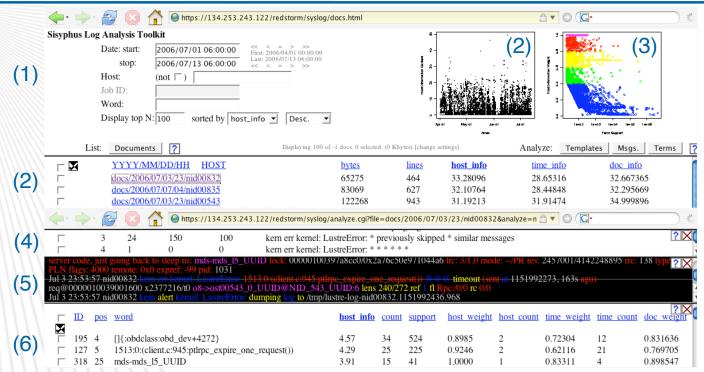
Under what conditions does string "xyz" occur?

^ e.g. nodes, times, apps, users...

What do you look for... when you don't know what to look for?

Is anything "strange" in the logs?





- (1)Query
- (2) Document statistics
- (3) Term information weights (and colors)
- (4) Message templates (co-occurring terms)
- (5) Information-colorized logs
- (6) Term statistics

http://www.cs.sandia.gov/sisyphus

Jon Stearley <jrstear@sandia.gov>

Sandia National Laboratories